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providing an indication of the change for the selected thread.

B2

5. (Amended) A method for determining whether a selected thread of execution of a multi-threaded program is running, comprising:

- suspending execution of the multi-threaded program;
- retrieving register data corresponding to the selected thread;
- computing a value based on the register data;
- comparing the computed value with register information stored following a previous suspension of the multi-threaded program;
- regarding the selected thread as running if the computed value is different from the previously stored register information; and
- providing an indication corresponding to a portion of the program containing the selected thread.

B3

8. (Twice Amended) A method for time profiling multiple threads of execution corresponding to a program, comprising:

- periodically suspending execution of the program;
- determining whether information corresponding to processor registers for each thread indicates that the thread is running by comparing the information to stored information from a previous interrupt of all of the threads; and
- recording time-profiling information for each running thread.

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17. (Twice Amended) A computer-readable medium containing instructions for time profiling multiple threads of execution corresponding to a program, by:

- periodically interrupting execution of all of the threads;
- determining whether register data corresponding to a selected thread has changed from a previous interrupt of all of the threads; and
- providing an indication of the change for the selected thread.

21. (Amended) A computer-readable-medium containing instructions for determining whether a selected thread of execution of a multi-threaded program is running, by:

- suspending execution of the multi-threaded program;
- retrieving register data corresponding to the selected thread;
- computing a value based on the register data;
- comparing the computed value with register information stored following a previous suspension of the multi-threaded program;
- regarding the selected thread as running if the computed value is different from the previously stored register information; and
- providing an indication corresponding to a portion of the program containing the selected thread.

24. (Twice Amended) A computer-readable medium containing instructions for time profiling multiple threads of execution corresponding to a program, by:

- periodically suspending execution of the program;

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